RAW SEQUENCE LISTING DATE: 10/09/2003
PATENT APPLICATION: **US/09/786,214A** TIME: 15:37:46

Input Set : **A:\L0461-70102US00.txt**
Output Set: **N:\CRF4\10092003\I786214A.raw**

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  3 <110> APPLICANT: PROBST-KEPPER, Michael
  4       VAN DEN EYNDE, Benoit
  5       BOON-FALLEUR, Thierry
  7 <120> TITLE OF INVENTION: AN ANTIGENIC PEPTIDE ENCODED BY AN ALTERNATIVE OPEN READING
  8       FRAME OF HUMAN MACROPHAGE COLONY-STIMULATING FACTOR
 10 <130> FILE REFERENCE: L0461.70102US00
 12 <140> CURRENT APPLICATION NUMBER: US 09/786,214A
 13 <141> CURRENT FILING DATE: 2001-06-14
 15 <150> PRIOR APPLICATION NUMBER: PCT/US99/20344
 16 <151> PRIOR FILING DATE: 1999-09-03
 18 <150> PRIOR APPLICATION NUMBER: US 60/099,077
 19 <151> PRIOR FILING DATE: 1998-09-04
 21 <160> NUMBER OF SEQ ID NOS: 51
 23 <170> SOFTWARE: PatentIn Version 3.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 43
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Homo sapiens
 30 <220> FEATURE:
 31 <221> NAME/KEY: misc_feature
 32 <222> LOCATION: (43)..(43)
 33 <223> OTHER INFORMATION: n = a, c, g or t/u
 35 <400> SEQUENCE: 1
W--> 36  ataagaatgc ggccgctaaa ctatttttt ttttttttt tvn                    43
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 25
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
 44  cgggatccgc cgagatgcgg gtcat                                         25
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 30
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Homo sapiens
 51 <400> SEQUENCE: 3
 52  cggaattctc aggctttaca agcgatgaga                                    30
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 55 <211> LENGTH: 78
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Homo sapiens
 59 <220> FEATURE:
 60 <221> NAME/KEY: CDS
 61 <222> LOCATION: 1..75
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Input Set : **A:\L0461-70102US00.txt**
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63 <400> SEQUENCE: 4
64  atg gct ggg ctc cct gct gtt gtt ggt ctg tct cct ggc gag cag gag     48
65  Met Ala Gly Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu
66    1               5                  10                  15
68  tat cac cga gga ggt gtc gga gta ctg tag                           78
69  Tyr His Arg Gly Gly Val Gly Val Leu
70               20                  25
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 25
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 5
78  Met Ala Gly Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu
79    1               5                  10                  15
81  Tyr His Arg Gly Gly Val Gly Val Leu
82               20                  25
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 33
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 6
90  actgggcgga tcctgccctc ccacgacatg gct                              33
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 36
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 7
98  actgcccgaa ttcgtcacga ggtctccatc tgactg                           36
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 60
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapiens
105 <220> FEATURE:
106 <221> NAME/KEY: CDS
107 <222> LOCATION: 1..60
109 <400> SEQUENCE: 8
110  atg gct ggg ctc cct gct gtt gtt ggt ctg tct cct ggc gag cag gag     48
111  Met Ala Gly Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu
112    1               5                  10                  15
114  tat cac cga gga                                                   60
115  Tyr His Arg Gly
116               20
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 20
120 <212> TYPE: PRT
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 9
124  Met Ala Gly Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu
125    1               5                  10                  15
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Input Set : **A:\L0461-70102US00.txt**
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 Tyr His Arg Gly
               20
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<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: CDS
<222> LOCATION: 1..42
<400> SEQUENCE: 11
 ctc cct gct gtt gtt ggt ctg tct cct ggc gag cag gag tat                 42
 Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu Tyr
   1               5                  10
<210> SEQ ID NO: 12
<211> LENGTH: 14
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 12
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   1               5                  10
<210> SEQ ID NO: 13
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<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13
 Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu Tyr
   1               5                  10
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<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 14
 Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu
   1               5                  10
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<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 15
 Ala Gly Leu Pro Ala Val Val Gly Leu Ser Pro Gly Glu Gln Glu
   1               5                  10                  15
<210> SEQ ID NO: 16
<211> LENGTH: 9
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RAW SEQUENCE LISTING DATE: 10/09/2003
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Input Set : A:\L0461-70102US00.txt
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```
190 <212> TYPE: PRT
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 16
194  Glu Ala Asp Pro Thr Gly His Ser Tyr
195    1               5
197 <210> SEQ ID NO: 17
198 <211> LENGTH: 9
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 17
203  Ser Ala Tyr Gly Glu Pro Arg Lys Leu
204    1               5
206 <210> SEQ ID NO: 18
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 18
212  Glu Val Asp Pro Ile Gly His Leu Tyr
213    1               5
215 <210> SEQ ID NO: 19
216 <211> LENGTH: 9
217 <212> TYPE: PRT
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 19
221  Phe Leu Trp Gly Pro Arg Ala Leu Val
222    1               5
224 <210> SEQ ID NO: 20
225 <211> LENGTH: 10
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens
229 <400> SEQUENCE: 20
230  Met Glu Val Asp Pro Ile Gly His Leu Tyr
231    1               5                  10
233 <210> SEQ ID NO: 21
234 <211> LENGTH: 9
235 <212> TYPE: PRT
236 <213> ORGANISM: Homo sapiens
238 <400> SEQUENCE: 21
239  Ala Ala Arg Ala Val Phe Leu Ala Leu
240    1               5
242 <210> SEQ ID NO: 22
243 <211> LENGTH: 8
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 22
248  Tyr Arg Pro Arg Pro Arg Arg Tyr
249    1               5
251 <210> SEQ ID NO: 23
252 <211> LENGTH: 10
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Input Set : A:\L0461-70102US00.txt
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```
253 <212> TYPE: PRT
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 23
257  Ser Pro Ser Ser Asn Arg Ile Arg Asn Thr
258    1               5                  10
260 <210> SEQ ID NO: 24
261 <211> LENGTH: 9
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 24
266  Val Leu Pro Asp Val Phe Ile Arg Cys
267    1               5
269 <210> SEQ ID NO: 25
270 <211> LENGTH: 10
271 <212> TYPE: PRT
272 <213> ORGANISM: Homo sapiens
274 <400> SEQUENCE: 25
275  Val Leu Pro Asp Val Phe Ile Arg Cys Val
276    1               5                  10
278 <210> SEQ ID NO: 26
279 <211> LENGTH: 9
280 <212> TYPE: PRT
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 26
284  Glu Glu Lys Leu Ile Val Val Leu Phe
285    1               5
287 <210> SEQ ID NO: 27
288 <211> LENGTH: 9
289 <212> TYPE: PRT
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 27
293  Glu Glu Lys Leu Ser Val Val Leu Phe
294    1               5
296 <210> SEQ ID NO: 28
297 <211> LENGTH: 10
298 <212> TYPE: PRT
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 28
302  Ala Cys Asp Pro His Ser Gly His Phe Val
303    1               5                  10
305 <210> SEQ ID NO: 29
306 <211> LENGTH: 10
307 <212> TYPE: PRT
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 29
311  Ala Arg Asp Pro His Ser Gly His Phe Val
312    1               5                  10
314 <210> SEQ ID NO: 30
315 <211> LENGTH: 9
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/09/2003
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Input Set : **A:\L0461-70102US00.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 43